

Docket Number: 071469-0303786

Client Reference: RAJ-011

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of

DAVID L O'MEARA, et al.

Group Art Unit: 2812

Application No.: 10/630,970

Examiner:

Filed: July 31, 2003

Confirmation No.: 1845

For: METHOD OF FORMING UNIFORM ULTRA-THIN OXYNITRIDE LAYERS

INFORMATION DISCLOSURE STATEMENT

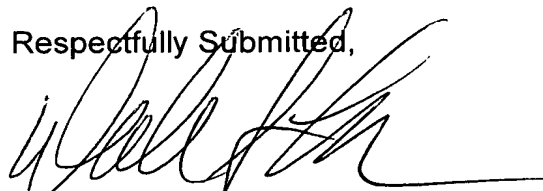
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449s. As this application was filed after June 30, 2003, no copies of the cited U.S. patent or patent publication are attached. However, one copy of each non-patent literature reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits in the present application. No certification or fee is required.

Respectfully Submitted,



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Date: January 9, 2004

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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of

**Complete if Known**

Application Number	10/630,970
Filing Date	07/31/2003
First Named Inventor	DAVID L O'MEARA
Art Unit	2812
Examiner Name	
Attorney Docket Number	071469-0303786

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	1	US- 6,197,641 B1	03-06-2001	HERGENROTHER et al.	
	2	US- 6,090,723	07-18-2000	THAKUR et al.	
	3	US- 5,817,581	10-06-1998	BAYER et al.	
	4	US- 5,334,281	08-02-1994	DOERRE et al.	
	5	US- 5,264,396	11-23-1993	THAKUR et al.	
	6	US- 2001/0031562 A1	10-18-2001	RAAIJMAKERS et al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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<b>Substitute for form 1449B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	10/630,970	
			Filing Date	07/31/2003	
			First Named Inventor	DAVID L O'MEARA	
			Art Unit	2812	
			Examiner Name		
Sheet	1	of	1	Attorney Docket Number	071469-0303786

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A	LIU, H. I. ET AL., "Self-limiting oxidation of Si nanowires," J. Vac. Sci. Technol. B, American Vacuum Society, Vol. 11 ( No. 6), p. 2532-2537, ( Nov/Dec 1993).	
	B	LIU, H. I. ET AL., "Self-limiting oxidation for fabricating sub-5 nm silicon nanowires," Appl. Phys. Letter, American Institute of Physics, Vol. 64 ( No. 11), p. 1383-1385, ( March 14, 1994).	
	C	FUKUDA, HIROSHI ET AL., "Fabrication of silicon nanopillars containing polycrystalline silicon/insulator multilayer structures," Appl. Phys. Lett., American Institute of Physics, Vol. 70 ( No. 3), p. 333-335, (January 20, 1997).	
	D	ROY, P. K. ET AL., "Gate Dielectrics," Bell Labs, p. 276-289.	

Examiner Signature		Date Considered	
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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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